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<p>(54) Title: APPARATUS FOR ROUTING ASYNCHRONOUS TRAFFIC IN A CIRCUIT SWITCHED NETWORK</p> <p>(57) Abstract</p> <p>The present invention refers to an apparatus providing routing of asynchronous traffic in a circuit switched synchronous time division multiplexed network, said apparatus comprising an interface (12) providing access to a multi-channel bitstream carrying isochronous channels; routing means (26) for providing routing of data packets; and a communication medium (24) interconnecting said interface and said routing means. According to the invention, said interface (12) comprises means (18) for deriving data packets received in at least one of said isochronous channels, means (22) for transmitting only header portions of said data packets to said routing means via said communication medium (24), means (20) for temporarily storing at least body portions of said data packets, and means (22, 32) for forwarding said data packets in accordance with routing instructions received from said routing means.</p>			